SWBAT: measure wave speed and other wave parts

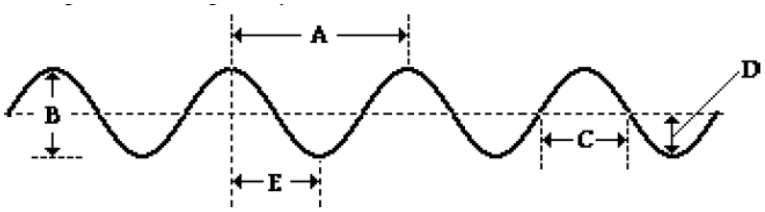
Jan 4-7:20 AM

SECA Physics
Friday 15 April 2016

Welcome!!!

H. Leslie Grebe

* Pick up:
  - blue concept sheet
  - log in to computer
  - packet



Opening Questions:

How might people make mistakes when measuring amplitude?

~~B~~ BOTTOM-TOP

~~A~~ WAVELENGTH

AMPLITUDE IS D HOW FAR FROM MIDDLE

Centering

Sep 7-7:04 AM

Concept Sheet

~ 7 rows when we're done...

We'll fill in two terms (rows) today.

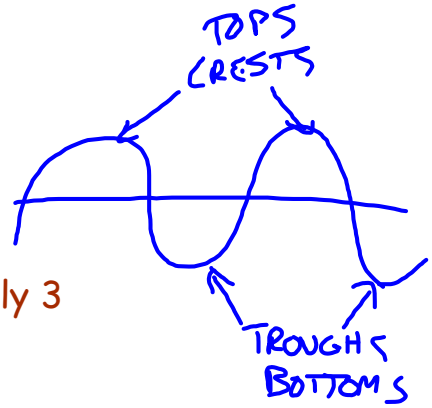
Concept	Meaning	Sym-bol	Units	Picture
FREQUENCY	HOW MANY PER UNIT OF TIME FREQ = # / TIME	f	hertz Hz = 1/sec	00:01
TRANSVERSE: WHEN THE MEDIUM VIBRATES ACROSS THE DIRECTION THE WAVE TRAVELS.				
LONGITUDINAL: WHEN THE MEDIUM VIBRATES ALONG THE DIRECTION THE WAVE TRAVELS.				
AMPLITUDE	HOW FAR FROM MIDDLE	A	meters m	A
WAVELENGTH	HOW FAR FOR ONE "BACK & FORTH"	LAMBDA λ	meters m	λ
WAVE SPEED	DISTANCE OF A WAVE / TIME OF A WAVE V = λ/T	V V=λ·f	meters per sec. m/s	λ ÷ TIME
PERIOD	HOW MUCH TIME FOR ONE. T = TIME / #	T	seconds S.	FLIP OF (FREQUENCY)

Feb 18-6:50 AM

Yesterday's results:

HORIZONTAL ⟷

VERTICAL ↕



Computer Lab:

Will pick 3 questions off packet as Daily 3
- prizes Monday

If you finish:
extra credit for making a "Standing Wave"

Apr 12-7:13 AM

Daily 3 Questions

* Every day except test/project days
* 3 Questions on the topics of the day
* Main source of daily points
* I am happy to give credit when I have no concerns about someone giving or getting help with the answers.

You can't get your points if you don't have your NAME!!!

Name	Period
1.	
2.	
3.	

Sep 9-7:32 AM